



ALPHAROBOTICS SOLUTIONS
SMART TECH. HUMAN TOUCH

AlphaRobotics X2 ROVR

Autonomous Robotic Floor Scrubber

Leading the New Era of Cleaning Robotics

16 in | 40 cm

Dual-disk cleaning
path

10,000 ft² | 929 m²

Cleaning coverage



Grocery &
Retail

Healthcare

Education

Office Buildings

Compact autonomous scrubber with full docking station — navigates aisles as narrow as 29 in / 73 cm.



Operational Overview & Applications

The AlphaRobotics X2 ROVR is a compact autonomous floor scrubber built for retail, healthcare, education and commercial spaces. AI-powered path planning adapts to changing environments in real time, while the full docking station automates charging, water management and chemical dilution for true hands-off operation.



Up to 2 hours

Runtime per charge

3 gal | 11 L

Tank capacity

25 lbs | 11 kg

Brush downforce

Ideal Environments

Grocery & Retail

Healthcare

Education

Office Buildings

Core Operating Value

Aisle-ready autonomy

Navigates, enters and U-turns in aisles as narrow as 29 in / 73 cm — built for real retail and commercial layouts.

Hands-off docking

The full docking station recharges, refills clean water, dumps dirty water and dilutes chemicals automatically.

Fleet-scale software

Cloud software suite delivers cleaning reports, robot health scoring, maintenance reminders and remote fleet management.



Key Technology Features

AI navigation, full docking automation and cloud-based fleet intelligence.

AI Path Planning

Self-optimizing cleaning paths adapt in real time to new obstacles, newly cleanable areas and previously missed spots.

3D LiDAR + 2D Vision

Front 3D LiDAR and 2D camera deliver precise localization, mapping and obstacle detection in dynamic spaces.

Full Docking Station

Automated charging, chemical dilution, clean-water refill and dirty-water dump keep the robot ready around the clock.

Robot Health Score

Continuous health monitoring with maintenance reminders maximizes uptime and simplifies service planning.

Quick Deployment

Guided setup gets sites mapped and cleaning quickly, with push-button start-up for daily operation.

Auto Resume & Replanning

Visual intelligence, point-of-interest handling, auto resume, replanning and auto recovery keep routes on track.





Safety Systems & Maintenance

Layered safety hardware and software with fast, mess-free daily maintenance.

Multi-Sensor Obstacle Avoidance

3D LiDAR, 2D camera and front bumper detect people and obstacles; front LED lights and a color status light signal operating state.

Emergency Stop & Safe Handling

Prominent E-stop, extendable handle and push-button start-up give staff full control at all times.

Spring-Loaded Tank Access

Spring-loaded recovery tank dump access door and top-cover fill port make daily tank care fast and mess-free.

Proactive Maintenance

Health scoring and maintenance reminders flag service needs early; differential-drive hub motors reduce wear.





Complete Specification Matrix

Manufacturer specifications preserved in dual units — imperial and metric.

PARAMETER	TECHNICAL VALUE
CLEANING SPECS	
Dual-Disk Cleaning Path	16 in 40 cm
Cleaning Coverage	10,000 ft ² 929 m ²
Tank Capacity	3 gal 11 L
Brush Downforce	25 lbs 11 kg
AUTONOMY SPECS	
Aisle Navigation	as low as 29 in 73 cm
Aisle Entrance	as low as 29 in 73 cm
Aisle U-Turn	as low as 29 in 73 cm
PHYSICAL SPECS	
Runtime	Up to 2 hours
Empty Weight	220 lbs 99 kg
Full Weight	245 lbs 111 kg
Height	33.5 in 85 cm
Length	27 in 68 cm
Width	27 in 68 cm

Note: Specification values reproduced from the manufacturer source brochure; actual performance may vary in specific applications.



ALPHAROBOTICS SOLUTIONS
SMART TECH. HUMAN TOUCH

AlphaRobotics X2 Rovr

The Reliable, Hassle-free Robots You Can Trust



Leading the New Era of Cleaning Robotics

AlphaRobotics Solutions LLC

www.AlphaRoboticsAi.com

Info@AlphaRoboticsAi.com

(818)-659-8338

Smart Tech. Human Touch.